

Wireless network connection device for mobile operated radio station via optical fibres

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Abstract

The network (3), to which the mobile station (1) is to be coupled via the optical fibre network (2), has a reception aerial (21) for mobile station radio signals (20) with modulated data signals to be transmitted in the network (3). A modulation signal containing the data signal is applied to an electro-optical transducer. The transducer couples the optical signal, containing the data signal, to the optical fibre network (2). The transducer contains a photofilter (11), connectable to the optical fibre network, which can separate an intensity part of the optical carrier signal. The transducer comprises a modulator (23), to which the optical carrier and modulation signals are applied, and which modulates the data signal onto the carrier signal to form the transmission signal.

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7/11